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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,461	01/21/2004	Jun Someya	. 1190-0581P	1408
2292 BIRCH STEW	7590 05/11/2007 · ART KOLASCH & BIRCH	EXAMINÈR		
PO BOX 747			LIANG, REGINA	
FALLS CHURCH, VA 22040-0747		ART UNIT . 2629	ART UNIT	PAPER NUMBER
			. 2629	
			NOTIFICATION DATE	DELIVERY MODE
			05/11/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

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		Application No.	Applicant(s)			
Office Action Summary		10/760,461	SOMEYA ET AL.			
		Examiner	Art Unit			
		Regina Liang	2629			
Period fo	The MAILING DATE of this communication apports Reply	pears on the cover sheet w	ith the correspondence address			
WHI0 - Exte after - If N0 - Failt Any	CORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAMPS of 37 CFR 1.1: SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a will apply and will expire SIX (6) MON , cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 26 Fe	ebruary 2007.				
2a)⊠	This action is FINAL . 2b) This action is non-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.E). 11, 453 O.G. 213.			
Disposit	ion of Claims					
4)⊠	Claim(s) <u>1-8,10-14 and 16-39</u> is/are pending ir	n the application.				
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠	Claim(s) <u>1-8,12-14,16-23,25-29,32 and 34-36</u>	is/are allowed.				
·	Claim(s) <u>10,11,24,30,31,33 and 37</u> is/are rejected.					
•	Claim(s) <u>38, 39</u> is/are objected to.					
8)[Claim(s) are subject to restriction and/o	r election requirement.				
Applicat	lión Papers					
9)[The specification is objected to by the Examine	er.				
10)[]	The drawing(s) filed on is/are: a) acc	epted or b) objected to	by the Examiner.			
	Applicant may not request that any objection to the					
	Replacement drawing sheet(s) including the correct					
11)	The oath or declaration is objected to by the Ex	xaminer. Note the attache	d Office Action or form P1O-152.			
Priority	under 35 U.S.C. § 119					
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
)					
	1. Certified copies of the priority document	ts have been received.				
	2. Certified copies of the priority document	ts have been received in A	Application No			
	3. Copies of the certified copies of the prior	rity documents have beer	n received in this National Stage			
	application from the International Burea	u (PCT Rule 17.2(a)).				
*	See the attached detailed Office action for a list	of the certified copies no	t received.			
Attachme		., 🗖	0 (070 440)			
	ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) (s)/Mail Date			
3) Info	rmation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date		Informal Patent Application			

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DETAILED ACTION

1. This Office Action is responsive to amendment filed 2/26/07. Claims 1-8, 10-14, 16-39 are pending in the application.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

3. Claims 10-11, 24, 30-31, 33, 37 are rejected under 35 U.S.C. 102(e) as being anticipated by Sakashita (US 6,661,400).

As to claims 10, 24, 33, Sakashita discloses an image data processor for liquid-crystal display that generates image data determining voltages applied to a liquid crystal from gray-scale values of an input image made up a series of frame, the image data processor comprising: a data conversion unit (204, Fig. 1) for reducing the number of bits of an inept image data of a present frame, thereby generating a first converted image data corresponding to the present frame; a delay unit (206, Fig. 1) delaying the first converted image data for an interval corresponding to one frame and outputting a second converted image data corresponding to a previous frame; a compensation data generator (205, 207, Fig.1) for generating compensation data for adjusting the gray-scale value of the present frame according to the first converted image data and the second converted image data; and a compensation unit (209, Fig. 1) for generating the image data according to the image data and the compensation image data.

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As to claim 11, Sakashita discloses the compensation data cause the liquid crystal to reach transimissivity values corresponding to the gray-scale values of the input image within substantially one frame interval (see Fig. 2).

As to claims 30, 31, 37, Sakahita discloses an image data processor (Fig. 1) for adjusting transimissivity values of liquid crystal comprising: an encoding unit (202, 204 Fig. 1) for encoding an input image data of a present frame and outputting an encoded image data; and a processing unit (Fig. 1) for processing the input image data using the encoded image data; wherein the image data processed by the processing unit includes data that changes a transimissivity corresponding to the frame prior to the present frame to a transimissivity corresponding to the present frame within substantially one frame interval (see Figs. 3A and 3B).

Allowable Subject Matter

- 4. Claims 1-8, 12-14, 16-23, 25-29, 32, 34-36 are allowed.
- 5. Claims 38 and 39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

6. Applicant's arguments filed 2/26/07 have been fully considered but they are not persuasive.

Applicant's remarks regarding claims 10, 24 and 33 on pages 2-3 are not persuasive.

Applicant argues that Sakashita's system delays the arithmetic process data obtained from the

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Sakashita delays the arithmetic process data obtained from the first converted data, which reads on delays the first converted data. Applicant's claims do not require the delay circuit directly delay the first converted data, as long as the converted data is delayed in Sakashita will meet the claim. Applicant also argues Sakashita's system is done for the black and the white levels only and not the gray level, this is not persuasive. Sakashita's system is for improving the hysteresis of the panel, the hysteretic characteristic is related to the display brightness corresponding to the gradation level of the display (col. 3, lines 1-62 for example), therefore, Sakashita's system is not only for the black and white levels but also for the gray level.

In response to applicant's remarks regarding claims 30 and 31, Sakashita teaches changing the brightness level from the input frame into the display brightness of the present frame, which reads on changing a transimissivity corresponding to the frame prior to the present frame to a transimissivity corresponding to the present frame within substantially one frame interval as claimed.

Conclusion

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (571) 272-7693. The examiner can normally be reached on Monday-Friday from 8AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Regina Liang Primary Examiner Art Unit 2674